

ART 34 A-107

Amendment Under PCT Article 34CLAIMS

1. (Amended) An electrophoresis method characterized by using water as a  
5 solution for preparing a sample, and subjecting a protein to electrophoresis for  
size separation without a heat-denaturing treatment.

2. The electrophoresis method according to claim 1, characterized in that a  
10 protein dissolved in water is subjected to electrophoresis.

3. The electrophoresis method according to claim 1 or 2, characterized in  
that two or more molecular weight markers are subjected to electrophoresis  
together with a protein, wherein at least one of the markers is adjusted to a low  
15 concentration as compared to a standard concentration.

4. The electrophoresis method according to any one of claims 1 to 3,  
characterized in that two or more molecular weight markers are subjected to  
electrophoresis together with a protein, wherein one of the markers is adjusted to  
20 a concentration of 1/10 to 10 times the concentration of a protein to be tested.

5. The electrophoresis method according to any one of claims 1 to 4,  
wherein a type of electrophoresis is selected from the group consisting of  
capillary electrophoresis method, microchip electrophoresis method and nano-  
25 channel electrophoresis method.